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L1	351	703/2.ccls. and @pd>"20060401"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/12/12 17:22

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[The fast multiple method for the wave equation: a pedestrian prescription - group of 2 »](#)

R Coifman, V Rokhlin, S Wandzura - Antennas and Propagation Magazine, IEEE, 1993 - [ieeexplore.ieee.org](#)

... of the method is exhibited, these parameters (the number of terms used in the multipole expansion, and the directions at which **far-field** quantities are ...

Cited by 339 - [Related Articles](#) - [Web Search](#)

[A reciprocity method of analysis for printed slot and slot-coupled microstrip antennas - group of 5 »](#)

D Pozar - Antennas and Propagation, IEEE Transactions on [legacy, pre- ..., 1986 - [ieeexplore.ieee.org](#)

... full **moment method** solution for the aperture distribution, and compares the results with ... 5 shows the calculated E- and H-plane **far-field** patterns of the slot ...

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[A finite-difference time-domain near zone to far zone transformation \[electromagnetic scattering\] - group of 4 »](#)

RJ Luebbers, KS Kunz, M Schneider, F Hunsberger - Antennas and Propagation, IEEE Transactions on, 1991 - [ieeexplore.ieee.org](#)

... For comparison **moment method** results for an infinitesimally thin plate are shown. ...

3 along with a **moment method** result for comparison [13]. ...

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[A technique to combine the geometrical theory of diffraction and the **moment method** - group of 5 »](#)

W Burnside, C Yu, R Marhefka - Antennas and Propagation, IEEE Transactions on [legacy, pre- ..., 1975 - [ieeexplore.ieee.org](#)

... 1956. A Technique to Combine the Geometrical Theory of Diffraction and the **Moment**

Method ... Abstract-A technique is presented in which the **moment method** @fM) ...

Cited by 52 - [Related Articles](#) - [Web Search](#)

[The **moment method** solution for printed wire antennas of arbitrary configuration - group of 5 »](#)

H Nakano, SR Kerner, NG Alexopoulos - Antennas and Propagation, IEEE Transactions on, 1988 - [ieeexplore.ieee.org](#)

... current matrices, respectively, for the **moment method**. ... and a line joining the starting point of this element with the projection of the **far-field** point into ...

Cited by 36 - [Related Articles](#) - [Web Search](#)

[Electromagnetic scattering by surfaces of arbitrary shape - group of 3 »](#)

S Rao, D Wilton, A Glisson - Antennas and Propagation, IEEE Transactions on [legacy, pre- ..., 1982 - [ieeexplore.ieee.org](#)

... the **moment method** to develop a simple and efficient numerical procedure for ... quiring the prediction of **far-field** quantities such as radiation patterns and radar ...

Cited by 870 - [Related Articles](#) - [Web Search](#)

[Moment method with isoparametric elements for three-dimensional anisotropic scatterers - group of 4 »](#)

RD Graglia, PLE Uslerighi, RS Zich, D Elettronica - Proceedings of the IEEE, 1989 - [ieeexplore.ieee.org](#)

... 5, MAY 1989 **Moment Method** with Isoparametric Elements for Three-Dimensional Anisotropic Scatterers ROBERTO D. GRAGLIA, MEMBER, IEEE, PIERGIORGIO LE USLENGHI ...

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[Application of iterative **moment-method** solutions to ocean surface radar scattering - group](#)

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[W Chew](#)

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[J Song](#)

[Efficient 3-D **moment-method** analysis for reflector antennas using a far-field approximation technique - group of 4 »](#)

A McCowen - Microwaves, Antennas and Propagation, IEE Proceedings-, 1999 - [ieeexplore.ieee.org](#)
... The **moment-method** is made computationally efficient by a **far-field approximation** technique which dramatically reduces the demands of computer memory and CPU ...
Cited by 4 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Fast solution methods in electromagnetics - group of 7 »](#)

WC Chew, JM Jin, CC Lu, E Michielssen, JM Song - IEEE Transactions on Antennas and Propagation, 1997 - [physics.uq.edu.au](#)
... (6a) (6b) The matrix is the **moment-method** matrix represented in the wavelet basis ... fast multiple algorithm (RPFMA) is the fast **far-field approximation** (FAFFA) [89 ...
Cited by 110 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[Analysis of electromagnetic scattering from a cavity with a complex termination by means of a hybrid ... - group of 3 »](#)

R Lee, TT Chia - Antennas and Propagation, IEEE Transactions on, 1993 - [ieeexplore.ieee.org](#)
... Low-frequency techniques such as the **moment method** (MM) [3], the finite-element method ... In GRE, each ray tube is weighted by the **far-field approximation** of the ...
Cited by 31 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Application of physical optics to the RCS computation of bodies modeled with NURBS surfaces - group of 3 »](#)

J Perez, MF Catedra - Antennas and Propagation, IEEE Transactions on, 1994 - [ieeexplore.ieee.org](#)
... BAKSCATTERING FIELD OF A RATIONAL BEZIER SURFACE Given an incident monochromatic plane wave, under the **far field approximation**, the backscattering field of an ...
Cited by 23 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[A short course on fast multipole methods - group of 5 »](#)

RK Beatson, L Greengard - Wavelets, Multilevel Methods and Elliptic PDEs, 1997 - [math.canterbury.ac.nz](#)
... **approximation** $r T(x)$ will be much quicker than direct evaluation whenever the number of terms in the series is much smaller than the number of sources in the ...
Cited by 35 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Efficient method of moments formulation for large PEC scattering problems using asymptotic phasefront ... - group of 3 »](#)

DH Kwon, RJ Burkholder, PH Pathak - Antennas and Propagation, IEEE Transactions on, 2001 - [ieeexplore.ieee.org](#)
... Furthermore, the **far-field approximation** often makes it possible to evaluate the ... the geometrical theory of diffraction and the **moment method**, IEEE Trans. ...
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[The singularity expansion method and its application to target identification - group of 5 »](#)

CE Baum, EJ Rothwell, KM Chen, DP Nyquist - Proceedings of the IEEE, 1991 - [ieeexplore.ieee.org](#)
... here with numerical computations per se, it is instructive to think of the general integral equation (2.2) as a matrix equation (via the **moment method**) with N ...
Cited by 45 - [Related Articles](#) - [Web Search](#)

[An MFIE-based tabulated interaction method for UHF terrain propagation problems - group of 2 »](#)

C Brennan, PJ Cullen, L Rossi - Antennas and Propagation, IEEE Transactions on, 2000 - [ieeexplore.ieee.org](#)
... This is in contrast to standard **moment-method**-based solutions, which are ... where (5) is derived using the fast **far-field approximation** (FAFFA) [1] and ...

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-  1.  **Null field integral techniques in scattering problems • ARTICLE**
Mathematical and Computer Modelling, Volume 10, Issue 2, 1988, Pages 117-136
K. Davey M. F. Werby and G. J. Tango G. C. Gaunard
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McCowen, A.;
[Microwaves, Antennas and Propagation, IEEE Proceedings -](#)
Volume 146, Issue 1, Feb. 1999 Page(s):7 - 12
Digital Object Identifier 10.1049/ip-map:19990142
[AbstractPlus](#) | Full Text: [PDF](#)(428 KB) IEE JNL
- ☐ 2. The modelling of small reflector antennas using a 3D moment-method analysis
McCowen, A.;
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31 March-1 April 1999 Page(s):324 - 327
Digital Object Identifier 10.1109/NCAP.1999.788900
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- ☐ 3. Back cover
[Antennas and Propagation, IEEE Transactions on \[legacy, pre - 1988\]](#)
Volume 23, Issue 6, Nov 1975 Page(s):0 - 0
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- ☐ 4. Efficient prediction of radiation from printed transmission-line discontinuities
Naishadham, K.; Nuteson, T.W.; Yao, H.-W.;
[Electromagnetic Compatibility, IEEE Transactions on](#)
Volume 35, Issue 2, Part 2, May 1993 Page(s):159 - 169
Digital Object Identifier 10.1109/15.229425
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- ☐ 5. Radar cross section of complex targets
Youssef, N.N.;
[Proceedings of the IEEE](#)
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- ☐ 6. Fast solution methods in electromagnetics
Weng Cho Chew; Jian-Ming Jin; Cai-Cheng Lu; Michielssen, E.; Song, J.M.;
[Antennas and Propagation, IEEE Transactions on](#)
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- ☐ 2. Efficient prediction of radiation from printed transmission-line discontinuities
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- ☐ 3. Modeling of rough-surface effects in an optical turning mirror using the finite-difference time-domain method
Lee, S.M.; Chew, W.C.; Moghaddam, M.; Nasir, M.A.; Chuang, S.-L.; Herrick, R.W.; Balestra, C.L.;
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